This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

133.   (Currently Amended) A method of generating one or more database systems, the

method comprising:

        providing a metadata system that includes a metadata schema, a

facility for entering instructions into the metadata schema, and a facility for

manipulating the metadata schema;

        receiving instructions including semantic definitions from a user,

wherein the instructions including semantic definitions are entered into the

metadata schema and are used to create a business database system; and

        ~~automatically~~ generating the business database system automatically

using the semantic definitions of the instructions contained in the metadata

schema such that the business database system is well-formed.

134.   (Currently Amended) The method of claim 133, wherein automatically

generating the business database system further comprises:

        ~~automatically~~ generating tables automatically according to the instructions.

135.   (Cancelled)

136.   (Previously Presented) The method of claim 133, further comprising:

        building aggregate tables according to the instructions.

137.   (Previously Presented) The method of claim 133, wherein operating on the business

database system further comprises:

        receiving further instructions from a user to define a query mechanism; and

        generating queries according to the further instructions.

138.   (Previously Presented) The method of claim 133, wherein operating on the business

database system further comprises:

       generating reports according to the instructions.

139.   (Currently Amended) The method of claim 133, further comprising:

       receiving a modification of the metadata schema; and

       ~~automatically~~ adjusting the business database system automatically according

to the modification.

140.   (Currently Amended) A method of generating one or more database systems, the

method comprising:

       providing a metadata system that includes a metadata schema, a facility for

entering instructions into the metadata schema, and a facility for manipulating the

metadata schema;

       receiving instructions containing semantic definitions for the metadata

schema; and

       ~~automatically~~ generating the business database system automatically using the

semantic definitions such that the business database system is well-formed.

141.   (Currently Amended) A computer system, comprising:

       a computer including a processor and a memory;

       a computer program stored in the memory and executed by the processor,

wherein the computer program includes computer instructions for:

       providing a metadata system that includes a metadata schema, a facility for

entering instructions into the metadata schema, and a facility for manipulating the

metadata schema;

receiving instructions including semantic definitions from a user, wherein the

instructions including semantic definitions are entered into the metadata schema and

are used to create a business database system; and

~~automatically~~ generating the business database system automatically using the

semantic definitions of the instructions contained in the metadata schema such that the

business database system is well-formed.

142.   (Currently Amended) The computer system of claim 141, wherein the computer

program further includes computer instructions for:

~~automatically~~ generating tables automatically according to the instructions.

143.   (Cancelled)

144.   (Previously Presented) The computer system of claim 141, wherein the computer

program further includes computer instructions for:

building aggregate tables according to the instructions.

145.   (Previously Presented) The computer system of claim 141, wherein the computer

program further includes computer instructions for:

receiving further instructions from a user to define a query mechanism; and

generating queries according to the further instructions.

146.   (Previously Presented) The computer system of claim 141, wherein the computer

program further includes computer instructions for:

generating reports according to the instructions.

147.   (Currently Amended) The computer system of claim 141, wherein the computer

program further includes computer instructions for:

receiving a modification of the metadata schema; and

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~~automatically~~ adjusting the business database system <u>automatically</u> according

to the modification.

148.   (Currently Amended) A computer system, comprising:

a computer including a processor and a memory;

a computer program stored in the memory and executed by the processor,

wherein the computer program includes computer instructions for:

providing a metadata system that includes a metadata schema, a facility for

entering instructions into the metadata schema, and a facility for manipulating the

metadata schema;

receiving instructions containing semantic definitions for the metadata

schema; and

~~automatically~~ generating the business database system <u>automatically</u> using the

semantic definitions such that the business database system is well-formed.

149.   (Currently Amended) A computer readable storage medium encoded with software

instructions, wherein execution of the instructions comprises:

providing a metadata system that includes a metadata schema, a facility for

entering instructions into the metadata schema, and a facility for manipulating the

metadata schema;

receiving instructions including semantic definitions from a user, wherein the

instructions including semantic definitions are entered into the metadata schema and

are used to create a business database system; and

~~automatically~~ generating the business database system <u>automatically</u> using the

semantic definitions of the instructions contained in the metadata schema such that the

business database system is well-formed.

150.   (Currently Amended) The computer readable storage medium of claim 149, wherein

execution of the instructions further comprises:

          ~~automatically~~ generating tables automatically according to the instructions.

151.   (Cancelled)

152.   (Previously Presented) The computer readable storage medium of claim 149, wherein

execution of the instructions further comprises:

          building aggregate tables according to the instructions.

153.   (Previously Presented) The computer readable storage medium of claim 149, wherein

execution of the instructions further comprises:

          receiving further instructions from a user to define a query mechanism; and

          generating queries according to the further instructions.

154.   (Previously Presented) The computer readable storage medium of claim 149, wherein

execution of the instructions further comprises:

          generating reports according to the instructions.

155.   (Currently Amended) The computer readable storage medium of claim 149, wherein

execution of the instructions further comprises:

          receiving a modification of the metadata schema; and

          ~~automatically~~ adjusting the business database system automatically according

to the modification.

156.   (Currently Amended) A computer readable storage medium encoded with software

instructions, wherein execution of the instructions comprises:

          providing a metadata system that includes a metadata schema, a facility for

entering instructions into the metadata schema, and a facility for manipulating the

metadata schema;

receiving instructions containing semantic definitions for the metadata

schema; and

~~automatically~~ generating the business database system <u>automatically</u> using the

semantic definitions such that the business database system is well-formed.

157.   (Previously Presented) The method of claim 133, further comprising loading data into

the business database system according to the instructions contained in the metadata schema.

158.   (Previously Presented) The method of claim 157, further comprising operating on the

business database system according to the instructions contained in the metadata schema.

159.   (Previously Presented) The computer system of claim 141, wherein the computer

program further includes computer instructions for loading data into the business database

system according to the instructions contained in the metadata schema.

160.   (Previously Presented) The computer system of claim 159, wherein the computer

program further includes computer instructions for operating on the business database system

according to the instructions contained in the metadata schema.

161.   (Previously Presented) The computer readable storage medium of claim 149, wherein

execution of the instructions further comprises loading data into the business database system

according to the instructions contained in the metadata schema.

162.   (Previously Presented) The computer readable storage medium of claim 161, wherein

execution of the instructions further comprises operating on the business database system

according to the instructions contained in the metadata schema.

163.   (Currently Amended) A method of automatically generating a business database

system, the method comprising:

providing a metadata schema;

entering instructions having semantic definitions into the metadata schema;

and

        automatically-generating the business database system automatically using the

semantic definitions, whereby the business database system is well-formed.

164.   (Previously Presented) The method of claim 163, further comprising loading data into

the automatically-generated business database system according to the instructions entered

into the metadata schema.

165.   (Previously Presented) The method of claim 164, further comprising operating the

business database system according to the instructions entered into the metadata schema.

166.   (Currently Amended) A method of automatically generating a business database

system, the method comprising:

        receiving instructions having semantic definitions; and

        generating a business well-formed database system automatically using the

semantic definitions, whereby the business database system is well-formed.

167.   (Previously Presented) The method of claim 166, further comprising loading data into

the generated business database system according to the instructions.

168.   (Previously Presented) The method of claim 167, further comprising operating the

database system according to the instructions.

169.   (Currently Amended) The method of claim 140, wherein automatically generating the

business database system further comprises:

        automatically-generating tables automatically according to the instructions.

170.   (Previously Presented) The method of claim 140, further comprising:

        building aggregate tables according to the instructions.

171.   (Previously Presented) The method of claim 140, wherein operating on the business

database system further comprises:

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receiving further instructions from a user to define a query mechanism; and

generating queries according to the further instructions.

172.   (Previously Presented) The method of claim 140, wherein operating on the business database system further comprises:

generating reports according to the instructions.

173.   (Currently Amended) The method of claim 140, further comprising:

receiving a modification of the metadata schema; and

automatically adjusting the business database system automatically according to the modification.

174.   (Previously Presented) The method of claim 140, further comprising loading data into the business database system according to the instructions contained in the metadata schema.

175.   (Previously Presented) The method of claim 174, further comprising operating on the business database system according to the instructions contained in the metadata schema.

176.   (Currently Amended) The computer system of claim 148, wherein the computer program further includes computer instructions for:

automatically generating tables automatically according to the instructions.

177.   (Previously Presented) The computer system of claim 148, wherein the computer program further includes computer instructions for:

building aggregate tables according to the instructions.

178.   (Previously Presented) The computer system of claim 148, wherein the computer program further includes computer instructions for:

receiving further instructions from a user to define a query mechanism; and

generating queries according to the further instructions.

179.   (Previously Presented) The computer system of claim 148, wherein the computer

program further includes computer instructions for:

       generating reports according to the instructions.

180.   (Currently Amended) The computer system of claim 148, wherein the computer

program further includes computer instructions for:

       receiving a modification of the metadata schema; and

       ~~automatically~~ adjusting the business database system automatically according

to the modification.

181.   (Previously Presented) The computer system of claim 148, wherein the computer

program further includes computer instructions for:

       loading data into the business database system according to the instructions

contained in the metadata schema.

182.   (Previously Presented) The computer system of claim 181, wherein the computer

program further includes computer instructions for:

       operating on the business database system according to the instructions

contained in the metadata schema.

183.   (Currently Amended) The computer readable storage medium of claim 156, wherein

execution of the instructions further comprises:

       ~~automatically~~ generating tables automatically according to the instructions.

184.   (Previously Presented) The computer readable storage medium of claim 156, wherein

execution of the instructions further comprises:

       building aggregate tables according to the instructions.

185.   (Previously Presented) The computer readable storage medium of claim 156, wherein

execution of the instructions further comprises:

receiving further instructions from a user to define a query mechanism; and

generating queries according to the further instructions.

186.   (Previously Presented) The computer readable storage medium of claim 156, wherein

execution of the instructions further comprises:

generating reports according to the instructions.

187.   (Currently Amended) The computer readable storage medium of claim 156, wherein

execution of the instructions further comprises:

receiving a modification of the metadata schema; and

~~automatically~~ adjusting the business database system <u>automatically</u> according

to the modification.

188.   (Previously Presented) The computer readable storage medium of claim 156, wherein

execution of the instructions further comprises loading data into the business database system

according to the instructions contained in the metadata schema.

189.   (Previously Presented) The computer readable storage medium of claim 188, wherein

execution of the instructions further comprises operating on the business database system

according to the instructions contained in the metadata schema.